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Typed by  (23 May 56)

DOC	40	REV DATE	9 MAY 1980	BY	1018373
ORIG COMP	233	GPI	56	TYPE	30
ORIG CLASS	5	PAGES	3	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 10-2

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Task VII requires investigation of electromagnetic radiations from industrial and scientific research facilities and the development of an appropriate analysis structure to exploit these radiations for technical intelligence purposes.

## TASK VII

## A. Phase I

The contractor will, in collaboration with the sponsor's personnel, select specific categories of electronic development and/or production facilities which would be the object of the program. (For example, it will be necessary to decide in advance which type of facility would be the object of the program, since any program aimed at the entire electronics field would probably become so involved that the objective of a useful analysis structure would be jeopardized.)

## B. Phase II

The contractor's personnel will conduct a data acquisition program at several U.S. electronic facilities of the type selected during Phase I. Some of the collection aspects may include sponsor's personnel. This program will include a thorough study of ALL radiating devices at a given facility, the logging of radiations at that facility on an accurate time base, and will investigate receiving and recording operation located external to the facility.

## C. Phase III

The contractor's personnel will process and collate all internally and externally acquired data and develop an analysis structure which could be used in the evaluation of electromagnetic radiations which might be recorded outside target electronic facilities.

## D. Phase IV

Based on experience gained in Phases II and III, the contractor would establish minimum requirements for equipment to be used in receiving and recording of electromagnetic radiations from target facilities.

## E. Phase V

In order to obtain an unbiased check on the analysis structure developed under Phase III, the contractor will perform an analysis of recorded electromagnetic radiations provided to it either by the sponsor or as a result of a sponsor-supervised intercept effort against a U.S. Facility. It is to be understood that any electromagnetic radiations furnished exclusively by the sponsor would be recorded on equipment that met at least the minimum requirements as established under Phase IV.

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## F. Phase VI

The contractor will, at the specific request of the sponsor, conduct analysis and evaluation of electromagnetic radiations recorded near foreign electronic facilities.

## III. WORK PERFORMANCE SCHEDULE

The schedules of performance set forth in this section are established in reference to the date of receipt of signed contractual authorization for such work.

## A. Phase I

It is anticipated that Phase I would be initiated at the starting date of the program and could be completed within approximately two months.

## B. Phase II

It is anticipated that planning on Phase II would be initiated at the starting date for the program and would require approximately eight months for completion.

## C. Phase III

It is anticipated that research on Phase III would start approximately two months after the date of initiating the project and would continue at low level concurrently with Phase II. As Phase II neared completion, effort on Phase III would gradually increase and would remain at a nearly constant level for approximately eight months following completion of Phase II.

## D. Phase IV

Research on Phase IV would be conducted at low level throughout Phases I, II and III, and would continue under greater emphasis for a period of approximately four months.

## E. Phase V

Would be initiated at about the time Phase IV was completed, and would require approximately four months of effort.

## F. Phase VI

No estimate of performance can be made at this time.

## IV. MANNING SCHEDULE

(a) It is anticipated that Phases I through V of this program would be carried out at the average level of five full-time scientific personnel. No estimate of the manpower requirements for Phase VI can be made at this time.

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(b) PERSONNEL

Assigned personnel whose formal education involved physics, electronics, aeronautics, etc., will have had experience in the field of ELINT Weapons Systems, and general Technical intelligence. A list of specific persons who would be involved on this project would be furnished to the sponsor prior to receipt of contractual authorization to initiate the project.

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